

## EAST Search History

| Ref # | Hits    | Search Query  | DBs                              | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|----------------------------------|------------------|---------|------------------|
|       |         | S30 same ((radio adj data adj system) or (RDS)) same S30  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR               | ON      | 2007/05/09 09:16 |
|       |         | ((radio adj data adj system) or (RDS)) same S30   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR               | ON      | 2007/05/09 09:16 |
|       |         | (radio adj data adj system) or (RDS) same S30   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR               | ON      | 2007/05/09 09:15 |
| L1    | 1915    | ((455/186.1 or 455/185.1 or 455/344).ccls.)   | US-PGPUB; USPAT; USOCR; JPO      | OR               | ON      | 2007/05/09 09:31 |
| L2    | 1142    | (((digital adj analog) or D/A) adj converter ) same (( ((band-pass) or band adj pass) adj filter) or (BPF)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR               | ON      | 2007/05/09 09:30 |
| L3    | 326583  | (radio adj data adj system) or (RDS)  | US-PGPUB; USPAT; USOCR; JPO      | OR               | ON      | 2007/05/09 09:30 |
| L4    | 2574730 | ( transmit\$4) or modulat\$\$   | US-PGPUB; USPAT; USOCR; JPO      | OR               | ON      | 2007/05/09 09:31 |
| L5    | 118461  | (("455"/\$).ccls.)  | US-PGPUB; USPAT; USOCR; JPO      | OR               | ON      | 2007/05/09 09:34 |
| L6    | 0       | 1 and 2 and 3 and 4 and @ay<="2002"   | US-PGPUB; USPAT; USOCR; JPO      | OR               | ON      | 2007/05/09 09:33 |
| L7    | 2       | 5 and 2 and 3 and 4 and @ay<="2002"   | US-PGPUB; USPAT; USOCR; JPO      | OR               | ON      | 2007/05/09 09:34 |
| L8    | 41871   | (("381"/\$).ccls.)  | US-PGPUB; USPAT; USOCR; JPO      | OR               | ON      | 2007/05/09 09:34 |

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|    |     |  |   |    |     |                  |
|----|-----|--|---|----|-----|------------------|
| L9 | 0   | 8 and 2 and 3 and 4 and<br>@ay<="2002"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON  | 2007/05/09 09:34 |
| S1 | 50  | (("6094568") or ("5507024") or<br>("5798722") or ("6031404") or<br>("5760736") or ("5220687") or<br>("5454006") or ("5457816") or<br>("5473290") or ("5483695") or<br>("5493711") or ("5666660") or<br>("5682432") or ("5784691") or<br>("5854969") or ("5854604") or<br>("5867044") or ("5903824") or<br>("5913156") or ("5913157") or<br>("5914982") or ("5949819") or<br>("5991610") or ("6015389") or<br>("6018649") or ("6163711") or<br>("6173165") or ("6188447") or<br>("6192087") or ("4092491") or<br>("4264972") or ("4599555") or<br>("4813393") or ("4862513") or<br>("4933974") or ("4964118") or<br>("4989263") or ("5001728") or<br>("5023474") or ("5040191") or<br>("5030923") or ("5177482") or<br>("5214792") or ("5220294") or<br>("5220607") or ("5220682") or<br>("5222254") or ("5239697") or<br>("5257312") or ("5278560")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO      | OR | OFF | 2007/05/09 08:52 |
| S2 | 2   | (("5,119,503") or ("5,682,431")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO      | OR | OFF | 2007/05/07 12:45 |
| S3 | 12  | "5257312"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2007/05/07 14:46 |
| S4 | 14  | ("4630299"   "4827515"  <br>"5054070").PN. OR ("5257312").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/05/07 14:47 |
| S5 | 234 | ((MICHAEL) near2 (HARRIS)).INV.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/05/07 14:53 |
| S6 | 22  | "5119503"  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/05/07 14:53 |
| S7 | 30  | ("4252995"   "4485483"   "4534054"<br>  "4584708"   "4602380"  <br>"4602381"   "4679238"   "4704727"<br>  "4887308").PN. OR ("5119503").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/05/07 15:57 |

## EAST Search History

|     |        |  |                                      |    |    |                  |
|-----|--------|--|--------------------------------------|----|----|------------------|
| S8  | 1989   | ((381/1-7).ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/07 16:01 |
| S9  | 1912   | ((455/186.1 or 455/185.1 or 455/344).ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/09 09:21 |
| S10 | 191820 | FM transmitter same process\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/07 15:59 |
| S11 | 126692 | (FM transmitter) same process\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/09 09:31 |
| S12 | 326475 | (radio adj data adj system) or (RDS)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/09 08:56 |
| S13 | 463    | S11 same S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/07 16:01 |
| S14 | 2      | ((381/1-7).ccls.) and S13 and @ay<="2002"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/07 16:04 |
| S15 | 19     | S9 and S13 and @ay<="2002"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/09 09:01 |
| S16 | 151    | "5721781"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/07 17:13 |
| S17 | 150    | "5721783"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/07 17:15 |
| S18 | 5      | "5721783" and (rds)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/07 17:15 |
| S19 | 335    | ((digital adj analog) or D/A) adj converter ) same proces\$4 same ((band-pass) or band adj pass) adj filter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR | ON | 2007/05/09 09:14 |

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|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S20 | 327537 | (radio adj data adj system) or (RDS)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2007/05/09 09:30 |
| S21 | 187522 | ((FM adj transmit\$4) or modulat\$4) same process\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:01 |
| S22 | 701162 | (( transmit\$4) or modulat\$4) same process\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:01 |
| S23 | 251    | S19 and S22  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:01 |
| S24 | 134    | S23 and S21 and @ay<="2002"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:32 |
| S25 | 3      | S24 and S20 and @ay<="2002"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:03 |
| S26 | 3      | S19 and S20 and S21 and @ay<="2002"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:04 |
| S27 | 3      | S19 and S20 and S22 and @ay<="2002"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:05 |
| S28 | 4612   | (((digital adj analog) or D/A) adj converter ) and ( ((band-pass) or band adj pass) adj filter)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:04 |
| S29 | 73     | S28 and S20 and S21 and @ay<="2002"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:22 |
| S30 | 5009   | (((digital adj analog) or D/A) adj converter ) and ( ((band-pass) or band adj pass) adj filter) or (BPF))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:16 |
| S31 | 1138   | (((digital adj analog) or D/A) adj converter ) same ( ((band-pass) or band adj pass) adj filter) or (BPF)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:29 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S32 | 4    | S20 same S31  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:17 |
| S33 | 186  | ((radio adj data adj system) or<br>(RDS)) and (((digital adj analog) or<br>D/A) adj converter ) and ((<br>((band-pass) or band adj pass) adj<br>filter) or (BPF))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2007/05/09 09:19 |
| S34 | 4    | ((radio adj data adj system) or<br>(RDS)) same (((digital adj analog)<br>or D/A) adj converter ) same ((<br>((band-pass) or band adj pass) adj<br>filter) or (BPF)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2007/05/09 09:20 |
| S35 | 1110 | ((455/186.1 or 455/185.1).ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2007/05/09 09:22 |
| S36 | 135  | S35 and S20 and @ay<="2002"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO      | OR | ON | 2007/05/09 09:23 |